

Title (en)  
AUTOMATIC POSITIONING OF IMAGING PLANE IN ULTRASONIC IMAGING

Title (de)  
AUTOMATISCHE POSITIONIERUNG EINER BILDGEBUNGSEBENE IN DER ULTRASCHALLBILDGEBUNG

Title (fr)  
POSITIONNEMENT AUTOMATIQUE DE PLAN D'IMAGERIE DANS UNE IMAGERIE ULTRASONORE

Publication  
**EP 2547262 B1 20141029 (EN)**

Application  
**EP 11713070 A 20110308**

Priority  
• US 31551510 P 20100319  
• IB 2011050964 W 20110308

Abstract (en)  
[origin: WO2011114259A1] The invention is directed to a method for ultrasonic imaging, in which two-dimensional images (10, 11) are acquired, one of which is aligned with a longitudinal direction of an interventional object (e.g. a needle) (13) to be moved towards a target area (7) within a subject of examination and the other one is intersecting the longitudinal direction of the interventional object (13) and automatically positioned dependent on the automatically determined position and orientation of the interventional object (13). Further, the invention is directed to an ultrasonic imaging device (1) adapted to conduct such a method.

IPC 8 full level  
**A61B 8/08** (2006.01); **A61B 8/00** (2006.01); **A61B 8/14** (2006.01); **G06T 7/00** (2006.01); **H04N 5/30** (2006.01); **A61B 5/06** (2006.01)

CPC (source: EP US)  
**A61B 8/0833** (2013.01 - EP US); **A61B 8/0841** (2013.01 - EP US); **A61B 8/14** (2013.01 - EP US); **A61B 8/4245** (2013.01 - EP US); **A61B 8/463** (2013.01 - EP US); **A61B 8/523** (2013.01 - EP US); **G06T 7/73** (2017.01 - EP US); **H04N 5/30** (2013.01 - US); **A61B 5/06** (2013.01 - EP US); **A61B 5/062** (2013.01 - EP US)

Cited by  
JP2013521920A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2011114259 A1 20110922**; CN 102811666 A 20121205; CN 102811666 B 20141217; EP 2547262 A1 20130123; EP 2547262 B1 20141029; JP 2013521920 A 20130613; JP 5906200 B2 20160420; US 2013195313 A1 20130801; US 9256947 B2 20160209

DOCDB simple family (application)  
**IB 2011050964 W 20110308**; CN 201180014677 A 20110308; EP 11713070 A 20110308; JP 2012557634 A 20110308; US 201113635460 A 20110308